SUBJECT DATASHEET

MACRO FINANCES

BMEGT35A011

I. SUBJECT DESCRIPTION

1. SUBJECT DATA

Subject name
MACRO FINANCES

ID (subject code) BMEGT35A011

Type of subject
Contact lessons

Course types and lessons

Type	*Lessons*
Lecture	2
Practice	0
Laboratory	0

Type of assessment
exam grade

Number of credits
3

Subject Coordinator

Name	*Position*	*Contact details*
Dr. Bethlendi András	associate professor	bethlendi.andras@gtk.bme.hu

Educational organisational unit for the subject
Department of Finance

Subject website
https://edu.gtk.bme.hu

Language of the subject
magyar - HU

Curricular role of the subject, recommended number of terms
Programme: **Business administration and management Bachelor's Programme from 2021/22/Term 1**
Subject Role: **Compulsory**
Recommended semester: **4**

Programme: **Engineering Management Bachelor's Programme from 2017/18/Term 1**
Subject Role: **Compulsory**
Recommended semester: **6**

Direct prerequisites

Strong	None
Weak	None
Parallel	None
Exclusion	None

Validity of the Subject Description

2. OBJECTIVES AND LEARNING OUTCOMES

Objectives

The main objective of the course is to acquaint students with the main areas of macroeconomic finance (monetary policy and fiscal policy), their contexts. The central issues of monetary policy are the following: price and exchange rate stability, inflation, furthermore the instruments of central banks and money creation. The focus of fiscal policy are the revenue and expenditure side of the budget, the relationship between burden sharing, public spending and the budgetary balance and government debt. In addition, it is necessary to examine them in a cross-border dimension (competitiveness, sovereign debt crisis). Demographic problems are one of the biggest challenges of our time. We also expanded the curriculum with basic demographic knowledge and its macroeconomic effects.

Academic results

Knowledge

1. the concept and definitions of macro-finance,
2. the most important macro-financial relations and theories,
3. the purpose and instruments of monetary systems and policy,
4. the fiscal policy, public finances and budgetary system
5. the structure and process of the budget
6. tax theories
7. demographic knowledge

Skills

1. analyze the most important macro-financial processes and developments in practice from economic as-pects
2. use the vocabulary in economics on macro-financial developments and processes,
3. plan and organize independent learning,
4. comprehend and use the professional literature of the topic,
5. grasp the professional language in writing and speech,
6. recognize and solve practical professional problems.

Attitude

1. are open to learn and adapt the methodology of equity investments,
2. collaborate with their instructors and fellow students during the learning process,
3. gain knowledge and information,
4. are open to critical thinking.

Independence and responsibility

1. are open to accept reliable critical remarks,
2. are able to solve practical professional problems independently.

Teaching methodology

Lectures and written communication, use of ICT tools and techniques.

Materials supporting learning

- A moodle rendszerben az aktuális részletes leírása feltöltésre kerül.
- In the Moodle system, the detailed uptodate descrption is uploaded.

II. SUBJECT REQUIREMENTS

TESTING AND ASSESSMENT OF LEARNING PERFORMANCE

General Rules

Assessment of the learning outcomes described under 2.2. is based on one written end-term test; but the result can be imporved with extra midterm scores.

Performance assessment methods

In order to obtain a 'Signed' mark, students are required to fulfil the attendance, participation requirements (the number of allowed absences is three), the completion of attendance and written, homework issued during the year, and activity on the lessons. Final written exam, and additonal mid term exam, test (matching, embedded answers (cloze), multiple choice, random short answer matching, select missing words, short-answer, numerical, true/false) The result can be imporved with extra 20% by midterm scores.

Percentage of performance assessments, conducted during the study period, within the rating

- **Optional**: 20

Percentage of exam elements within the rating

- **Written exam**: 80

Conditions for obtaining a signature, validity of the signature

Issuing grades

Excellent	88
Very good	88
Good	76–87
Satisfactory	63–75
Pass	51–62
Fail	0-50

Retake and late completion

The rules specific to the exam period apply

Coursework required for the completion of the subject

Participation in contact lessons	48
Participation in contact lessons	42
total	90

Approval and validity of subject requirements

Consulted with the Faculty Student Representative Committee, approved by the Vice Dean for Education, valid from: 04.03.2024.

III. COURSE CURRICULUM

THEMATIC UNITS AND FURTHER DETAILS

Topics covered during the term

Subject includes the topics detailed in the course syllabus to ensure learning outcomes listed under 2.2. can be achieved. Timing of the topics may be affected by calendar or other circumstances in each semester.

1 Money and international financial systems: a. the concept of money, its functions, money creation; b. cryptocurrency; c. international financial system

2 The role of the state in the economy: a. GDP, economic growth; b. roles of economic policy; c. industrial policy

3 Monetary policy: a. objective of monetary policy; b. monetary policy instrument system; c. operation and institutional system of central banks

4 Public finances: a. budget deficit and public debt, fiscal policy; b. public burden, tax theories;

5 Public economics: a. central budget; b. municipal finances; c. social insurance

6 Financial system and financial stability: a. bank-based / market-based financial system, b. shadow banking system and market-based banking

7 Why does demographics matter? the. Characteristics and areas of use of the demographic approach in the social sciences (e.g. cohort versus age approach), b. The global population explosion and its territorial characteristics, c. Economic growth versus population explosion (Malthaus and other thinkers)

8 Demographic transition: a. Presentation of the theory of the demographic transition, b. Drivers of changes in fertility and mortality, c. Development and possible causes of domestic and international migration

9 Aging society: a. Indicators of aging, b. Drivers of aging, c. Territorial differences in aging

10 Demographic Dividend: a. The theory of the primary and secondary demographic dividend, b. The relationship between the demographic dividend and education, c. Transfers between generations

11 The economic consequences of social aging: a. The impact of social aging on productivity and economic growth, b. The effect of the age structure on consumption and savings decisions, c. Risk aversion and inflation in an aging society

12 The impact of social aging on public finances: a. The transformation of state involvement in the aging society, b. The short- and long-term budgetary effects of social aging, primarily from the point of view of health expenditures and the financing of the pension system, c. The impact of aging on debt financing

Additional lecturers

Dr. Tóth G. Csaba

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